

WHAT IS CLAIMED IS:

1. An information processing apparatus comprising:

5 a first system including a CPU capable of
executing an operating system, a first display
controller that causes a display device to display
data, which is written in a memory by the CPU,
a peripheral device having an interface and being
capable of outputting image data via the interface, and
10 a first controller that executes communication with the
peripheral device via the interface and receives the
image data output from the peripheral device; and

a second system operable independently of the
first system, the second system including, a second
15 controller that executes communication with the
peripheral device via the interface and receives the
image data output from the peripheral device, a second
display controller that causes the display device to
display the image data, which is received by the
20 second controller, and a switch device that switches
a destination of connection of the interface of the
peripheral device from the first controller to the
second controller.

2. The information processing apparatus according
25 to claim 1, wherein the second controller includes
a processor that controls the peripheral device and
the second display controller.

3. The information processing apparatus according to claim 1, further comprising:

a housing including the first system and the second system;

5 a power button that is provided on the housing and outputs a power-on signal indicating that the information processing apparatus is to be powered on;

an operation button that is provided on the housing and outputs a reproduction instruction signal
10 instructing image reproduction; and

a power supply unit that is provided in the housing and supplies power to the first system in response to the power-on signal and supplies power to the second system and the peripheral device in response
15 to the reproduction instruction signal.

4. The information processing apparatus according to claim 3, wherein the second controller includes a processor that controls the peripheral device and the second display controller, and

20 the processor includes means for executing a process for initializing the peripheral device and the second display controller in response to the supply of power to the second system.

5. The information processing apparatus according to claim 1, wherein the image data includes
25 compression-encoded data, and

the second system further includes a decoder

that decodes the image data received by the second controller.

5 6. The information processing apparatus according to claim 1, wherein the second system further includes means for converting the image data received by the second controller to a video signal that is to be output to an external TV receiver.

10 7. The information processing apparatus according to claim 1, wherein the interface of the peripheral device includes a plurality of signal lines, and

the switch device includes a switch circuit that electrically connects the plurality of signal lines of the interface to one of the first controller and the second controller.

15 8. The information processing apparatus according to claim 1, wherein the interface of the peripheral device includes a plurality of signal lines, and

20 the switch device includes a switch circuit that is configured to electrically connect the plurality of signal lines to the first controller in response to a first switch signal supplied from the first controller, and electrically connect the plurality of signal lines to the second controller in response to a second switch signal supplied from the second controller.

25 9. The information processing apparatus according to claim 1, wherein the peripheral device includes a drive unit that drives a storage medium.

10. The information processing apparatus according to claim 1, wherein the peripheral device includes a receiving device that receives broadcast program data.

11. An information processing apparatus
5 comprising:

a peripheral device configured to output image data;

a first system including a central processing unit (CPU) that is capable of executing an operating system;

10 a second system configured to be operable independently of the first system, the second system including a processor that processes the image data output from the peripheral device;

a switch device that switches a system, to which
15 the peripheral device is to be connected, between the first system and the second system; and

a display control unit connected to the first system and the second system and configured to cause a display device to display data output from at least
20 one of the first system and the second system.

12. The information processing apparatus according to claim 11, further comprising:

a first operation button that activates the first system; and

25 a second operation button that activates the second system.

13. The information processing apparatus according

to claim 11, the switch device is configured to be operable in one of a first operation mode in which the peripheral device is connected to the first system, a second operation mode in which the peripheral device
5 is connected to the second system, and a third operation mode in which the peripheral device is connected to the first system and the second system.